

🔍 Title: **JP04295072A2: EXTRUDED BUILDING MATERIAL MADE OF LIGHTWEIGHT CEMENT**

🔍 Derwent Title: Lightweight cement prod. for house walls - comprising granular vermiculite powder contg. hydraulic binder and aggregate
[Derwent Record]

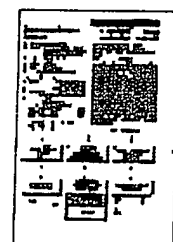
🔍 Country: JP Japan

🔍 Kind: A (See also: [JP03024236B2](#))

🔍 Inventor: KATAHIRA FUJIO;
MIZUNO JUNICHI;

🔍 Assignee: SUMITOMO METAL IND LTD
NICHIIHA KK

[News, Profiles, Stocks and More about this company](#)



[View Image](#)

1 page

🔍 Published / 1992-10-20 / 1991-03-25

Filed:

🔍 Application JP1991000060483

Number:

🔍 IPC Code: **C04B 38/08; E04F 13/14;**

🔍 Priority

1991-03-25 JP1991000060483

Number:

🔍 Abstract:

PURPOSE: To obtain the extruded lightweight cement building material having excellent surface smoothness by incorporating a specific ratio of vermiculite adjusted to a specific grain size distribution as lightweight aggregate into this material.

CONSTITUTION: The extruded building material made of the lightweight cement is obtd. by adding proper volume of water to a material, which is obtd. by compounding an admixture with ceramic powder consisting of a hydraulic binder and aggregate, then subjecting this mixture to kneading, extrusion molding and curing. The ceramic powder contg. 5 to 30% vermiculite adjusted to the grain size distribution of $\geq 20\text{wt.}\%$ of $\leq 50\mu$ grain size and $\leq 10\%$ of $\geq 300\mu$ grain size is used at this time. The surface smoothness of the vermiculite to be used is insufficient in the case of $\geq 10\%$ of 300μ grain size. The effect of improving extrudability is low and the surface smoothness is not improved in the case of $< 20\%$ of $\leq 50\mu$ grain size. The effect of improving the smoothness is low if the vermiculite is $\leq 5\text{pts.wt.}$ in 100 pts. total ceramic powder. The degradation in the strength arising from the decrease of the sp. gr. and the drastic degradation in freezing hazard resistance important as a building material are resulted if the content thereof exceeds 30 pts.

COPYRIGHT: (C)1992,JPO&Japio

🔍 INPADOC
Legal Status:

None

Get Now: [Family Legal Status Report](#)

🔍 Family:

[Show 2 known family members](#)

🔍 Forward
References:

Go to Result Set: Forward references (1)

PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US6572697	2003-06-03	Gleeson; James A.	James Hardie Research Pty Limited	Fiber cement building materials with low density additives

Other Abstract
Info:

CHEMABS 118(14)130759V CAN118(14)130759V



[Nominate this for the Gallery...](#)

Copyright © 1997-2004
The Thomson Corporation

[Subscriptions](#) | [Web Seminars](#) | [Privacy](#) | [Terms & Conditions](#) | [Site Map](#) | [Contact Us](#) | [Help](#)